

**HAZARDOUS MATERIALS SAFETY**  
**HAZARDOUS MATERIALS INFORMATION SYSTEM**  
**HAZMAT SUMMARY BY Mode of Transportation / Cause FOR 2005**

Mode of Transportation / Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Air					
Abrasion	12	0	0	0	0
Broken Component or Device	5	0	5	0	8,500
Conveyer or Material Handling Equipment Mishap	10	0	1	0	0
Corrosion - Exterior	1	0	0	0	0
Defective Component or Device	57	1	0	0	4,667
Deterioration or Aging	4	0	0	0	0
Dropped	174	40	10	0	1,261
Fire, Temperature, or Heat	1	0	0	0	0
Forklift Accident	37	0	0	0	1,075
Human Error	80	0	0	0	2,538
Impact with Sharp or Protruding Object (e.g., nail	45	0	0	0	0
Improper Preparation for Transportation	498	0	1	0	44,115
Inadequate Blocking and Bracing	3	0	3	0	0
Inadequate Preparation for Transportation	122	0	3	0	23,078
Inadequate Procedures	3	0	8	0	15,000
Incorrectly Sized Component or Device	1	0	0	0	0
Loose Closure, Component, or Device	8	0	0	0	0
Overfilled	13	0	0	0	0
Over-pressurized	10	0	0	0	0
Too Much Weight on Package	22	0	0	0	0
Valve Open	92	0	0	0	0
Vehicular Crash or Accident Damage	9	0	0	0	0
Water Damage	4	0	0	0	0
Cause Not Reported	474	1	5	0	104,138

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<b>Highway</b>					
Abrasion	96	0	1	0	181,555
Broken Component or Device	176	2	4	0	110,071
Commodity Self-Ignition	7	0	0	0	798
Commodity Polymerization	2	0	0	0	21,030
Conveyer or Material Handling Equipment Mishap	83	0	0	0	118,705
Corrosion - Exterior	28	0	0	0	35,464
Corrosion - Interior	54	0	0	0	313,331
Defective Component or Device	795	1	12	4	394,319
Derailment	1	0	0	0	0
Deterioration or Aging	166	0	4	0	129,758
Dropped	1,806	0	3	0	107,368
Fire, Temperature, or Heat	22	7	7	8	3,812,212
Forklift Accident	1,261	0	5	0	486,932
Freezing	20	0	0	4	102,320
Human Error	1,375	5	18	12	4,050,249
Impact with Sharp or Protruding Object (e.g., nail)	920	1	9	8	1,289,015
Improper Preparation for Transportation	892	2	15	0	410,618
Inadequate Accident Damage Protection	15	0	0	0	81,000
Inadequate Blocking and Bracing	1,319	0	4	0	431,361
Inadequate Maintenance	7	0	0	0	2,500
Inadequate Preparation for Transportation	829	0	8	0	245,689
Inadequate Procedures	89	0	0	0	16,605
Inadequate Training	12	0	0	0	0
Incompatible Product	8	0	0	0	0
Incorrectly Sized Component or Device	8	0	0	0	5,732
Loose Closure, Component, or Device	1,584	0	4	0	70,783
Misaligned Material, Component, or Device	14	0	2	0	0
Missing Component or Device	23	0	0	0	20,318
Overfilled	198	0	0	0	512,086
Over-pressurized	65	3	3	0	10,166
Rollover Accident	118	2	6	20	13,302,728
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	1,003
Threads Worn or Cross Threaded	19	0	0	0	13,414
Too Much Weight on Package	545	2	3	0	105,923
Valve Open	204	0	1	0	18,619
Vandalism	2	0	0	0	650
Vehicular Crash or Accident Damage	99	0	17	12	6,690,050
Water Damage	24	0	0	0	60,000
Cause Not Reported	1,093	12	14	24	7,122,888

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<b>Rail</b>					
Abrasion	3	0	0	0	38,164
Broken Component or Device	41	20	1	0	492,279
Commodity Polymerization	1	0	0	0	0
Corrosion - Exterior	7	0	1	0	53,168
Corrosion - Interior	11	1	1	0	730,344
Defective Component or Device	78	0	6	0	219,302
Derailment	21	77	557	4	11,357,343
Deterioration or Aging	74	0	3	0	140,454
Dropped	8	0	0	0	26,568
Fire, Temperature, or Heat	1	0	0	0	0
Forklift Accident	1	0	0	0	1,728
Freezing	1	0	0	0	1,800
Human Error	20	0	2	0	56,608
Impact with Sharp or Protruding Object (e.g., nail	15	0	0	0	141,835
Improper Preparation for Transportation	34	0	1	0	99,065
Inadequate Accident Damage Protection	1	0	0	0	15,500
Inadequate Blocking and Bracing	9	0	0	0	16,053
Inadequate Maintenance	2	0	0	0	3,150
Inadequate Preparation for Transportation	24	0	0	0	49,538
Inadequate Procedures	4	0	0	0	39,260
Inadequate Training	1	0	0	0	0
Incompatible Product	4	1	0	0	664,643
Incorrectly Sized Component or Device	5	0	0	0	35,912
Loose Closure, Component, or Device	273	0	12	0	357,713
Misaligned Material, Component, or Device	27	0	1	0	45,587
Missing Component or Device	32	0	0	0	61,923
Overfilled	14	0	0	0	72,513
Over-pressurized	37	0	1	0	35,611
Rollover Accident	3	0	0	0	23,401
Stub Sill Separation from Tank (Tank Cars)	2	0	0	0	1,500
Threads Worn or Cross Threaded	9	0	2	0	40,892
Too Much Weight on Package	3	0	0	0	46,101
Valve Open	15	0	0	0	17,803
Vandalism	3	0	0	0	4,436
Vehicular Crash or Accident Damage	2	0	0	0	2,376
Cause Not Reported	215	20	7	0	825,876

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<b>Water</b>					
Abrasion	1	0	0	0	0
Corrosion - Exterior	1	0	0	0	3,000
Corrosion - Interior	1	0	0	0	3,000
Defective Component or Device	2	0	0	0	2,000
Deterioration or Aging	1	0	0	0	3,000
Dropped	1	0	0	0	65,500
Forklift Accident	1	0	0	0	7,500
Human Error	4	0	0	0	9,000
Impact with Sharp or Protruding Object (e.g., nail	1	0	0	0	0
Loose Closure, Component, or Device	1	0	0	0	0
Overfilled	1	0	0	0	3,000
Over-pressurized	1	0	0	0	2,000
Cause Not Reported	55	0	0	0	25,000
<b>Totals By Mode</b>					
Air Incidents	1,685	42	36	0	204,372
Highway Incidents	13,980	37	140	92	40,275,260
Rail Incidents	1,001	119	595	4	15,718,446
Water Incidents	126	0	0	0	148,000
<b>Total - 2005</b>	<b>16,737</b>	<b>198</b>	<b>771</b>	<b>96</b>	<b>56,321,078</b>

Note: Due to multiple causes being involved in a single incident, the totals above may not correspond to the totals in the other reports.